

1. Outcome	2. Criteria or Target	3. Measurement Tool (course and assignment)	4. When/how and by who analysis of assessment will be accomplished	5. Program Assessment and Recommendations
Students who complete the AAS degree should be able to:				
1. Qualify for employment in the renewable energy field as technicians.	75% of students pass with a C or better	Spring EET 273 – final performance assessment and labs	Summer RET Department	-90% passed with C or higher in EET 273
2. Service/repair renewable energy systems and assist engineers with the design of renewable systems by applying knowledge of electrical, electronics, mechanical, control systems and hydraulics/pneumatics concepts.	75% of students pass with a C or better	Spring EET 273 – final performance assessment & labs RET 122 – final performance assessment & labs	Summer RET Department	-90% passed with C or higher in EET 273 -90% passed with C or higher in ret122
3. Communicate effectively both at the individual level and within team settings.	75% of students pass with a C or better	Spring RET 223 – final performance assessment and labs	Summer RET Department	-90% passed with C or higher in ret122
4. Understand the impact of renewable energy within the context of sustainability and apply sustainability concepts to their practice.	75% of students pass with a C or better	Spring RET 223 – final performance assessment and labs	Summer RET Department	-90% passed with C or higher in ret122
5. Apply ethical and professional practice within the field of renewable energy.	75% of students pass with a C or better	Spring RET 223 – final performance assessment and labs	Summer RET Department	-90% passed with C or higher in ret122
6. Achieve success in continuing their education toward completion of a four-year degree in engineering technology or engineering should that be their goal.	75% of students pass with a C or better	Spring EET 273 – final performance assessment and labs	Summer RET Department	-90% passed with C or higher in EET 273

Submitted by: Tom Lieurance

Date: 3.17.17

Assessment Completed by: RET Department

Date: 4.8.17

Plans to be submitted to Academic Assessment Coordinator (kkane@cgcc.edu) by Nov 15 of academic year being assessed
Assessment and Analysis to be submitted to Academic Assessment Coordinator (kkane@cgcc.edu) by Nov 15 the following academic year being assessed

Analysis

1. Describe assessment results.

Assessment indicates more than the required percentages of students are meeting goals.

2. Identify any changes that should, as a result of this assessment, be implemented towards improving students' attainment of degree, certificate, or program outcomes.

Given goals are being achieved no modifications are warranted. Goals may be modified in the future as the program shifts core content towards a more general electro-mechanical technician population and offers more focused electives in renewable energy, advanced manufacturing, and avionics.

3. Describe your plan for implementation of any changes.

Soliciting STEM committee for input on redesigned program.

4. Departmental faculty involvement.

STEM committee

Mary Kramer

Suzanne Burd

Tom Lieurance

Jim Pytel

Chris Spengler

5. Evaluate the assessment strategy.

Program appears to be achieving desired goals.

6. Reflect on any adjustments you made from the last assessment of this degree or certificate and their effectiveness in student achievement of outcomes?

No adjustments were made.

7. Additional comments.

None.

